

APPENDIX B

DAILY FIELD REPORTS

- Cleanup Plan (Sep. 2002 to Jan. 2002; Sep. 2003 to Nov. 2003)
- Groundwater Collection Trench (Feb. 2003 to Jun. 2003)

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:**
Will Raines**DATE: 09/16/02****DAY Monday****WEATHER: Overcast****TEMPERATURE: 75 am 80 noon 80 pm****ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Site setup and coordination |

VISITORS:Kimberly Peck - Exelon

_____**DESCRIPTION OF WORK:**

Approval was given from Mike Bishop (Preferred Real Estate) for the construction trailer location just to the east of Parcel 1. Maxymillian mobilized with two employees (Harold Bohl - superintendent and Matt Warren - foreman). They moved a Kelly box on-site and prepared the area around the existing electrical meter for the mobilization of the site trailer. Brown and Caldwell walked the site with Matt (introduction to project site).

Kim Peck arrived on-site to discuss matters concerning the project. Exelon had no equipment to assist with the chipping of the river bank brush. She had not received an answer from PECO regarding the utility trenches in the substation area. Access to the CT area would need to be coordinated with Kim so that PECO personnel could open it.

Surveyors were on-site. They reestablished site controls and marked the large excavation area.

BC was handed two copies of the Surveyor Notification, Environmental Protection Plan, and Health and Safety Plan submittals.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

 9/16/02

Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 09/17/02**DAY** Tuesday**WEATHER:** Sunny**TEMPERATURE:** 75 am 80 noon 80 pm**ITEMS WORKED ON:**

- ☐ Geoprobe Sampling
- ☐ Well/Monitoring Probe Installation
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☐ Equipment Installation
- ☐ Trenching/Concrete Work
- ☐ Electrical / Controls
- ☒ Surveying
- ☒ Other: River bank clearing

VISITORS:**DESCRIPTION OF WORK:**

Surveyors are on-site setting benchmarks and laying out the excavation area in Parcel 5b.
Maxymillian personnel worked along the river bank cutting brush and small trees to clear the edge of the bank.
Brown and Caldwell was handed two copies of the Site Security Plan by Maxymillian.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Will Raines 9/17/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 09/18/02

DAY Wednesday

WEATHER: Sunny

TEMPERATURE: 75 am 80 noon 80 pm

ITEMS WORKED ON:

- ☐ Geoprobe Sampling
- ☐ Well/Monitoring Probe Installation
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☐ Equipment Installation
- ☐ Trenching/Concrete Work
- ☐ Electrical / Controls
- ☒ Surveying
- ☒ Other: River bank clearing

VISITORS:

Bob Murray - Exelon

DESCRIPTION OF WORK:

Surveyors are on-site surveying the CombustionTurbine (CT) area. Access was granted by Bob Murray (Exelon). Maxymillian personnel worked along the river bank cutting brush and small trees to clear the edge of the bank. Brown and Caldwell was given two copies of the Soil Handling Plan.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Will Raines 9/18/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 09/19/02**DAY** Thursday**WEATHER:** Sunny**TEMPERATURE:** 75 am 80 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: River bank clearing |

VISITORS:Mike Watkins, Rich Worthington - BCKim Peck - Exelon**DESCRIPTION OF WORK:**

Maxymillian personnel worked along the river bank cutting brush and small trees to clear the edge of the bank. Brown and Caldwell and Exelon made a site visit prior to their meeting with PADEP.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

Will Raines 9/19/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 09/20/02

DAY Friday

WEATHER: Sunny

TEMPERATURE: 75 am 80 noon 80 pm

ITEMS WORKED ON:


- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

Maxymillian personnel were not on-site today.
Brown and Caldwell worked on submittal reviews.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

 9/20/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers: Will Raines****DATE: 09/23/02****DAY Monday****WEATHER: Sunny****TEMPERATURE: 75 am 80 noon 80 pm****ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: River bank clearing |

VISITORS:


DESCRIPTION OF WORK:

The surveyors are on-site today documenting the Excavation Areas 1 & 2 as well as the Areas 3 through 9 as visually identified by BC (Mike watkins, Will Raines) on 9/12/02.

Maxymillian personnel continued clearing the river bank. They also began excavation of Area 2. They encountered miscellaneous concrete debris throughout parts of the excavation. At approximately 7 feet they encountered a large, intact concrete slab or foundation. It stretches over all of the area that is currently open (approximately 10 feet x 20 feet) and is approximately 15 inches thick.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

 9/23/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 09/24/02**DAY** Tuesday**WEATHER:** Sunny**TEMPERATURE:** 75 am 80 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

Maxymillian Technologies (MT) personnel continued excavation of Area 2. The soil excavated from Area 2 is being stockpiled nearby on plastic sheeting. They have encountered oily groundwater; some trickling out of the side walls of the excavation, some from below the excavation floor. Currently approximately 60% of the excavation is open. The odors coming off of the stockpiled soil seem characteristic of the site. MT performed the necessary atmospheric monitoring. The soil was covered overnight with plastic tarps. They encountered a few pipes so far that have been cut off at the excavation limits.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Will Raines 9/24/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers: Will Raines****DATE: 09/25/02****DAY Wednesday****WEATHER: Sunny****TEMPERATURE: 60 am 75 noon 75 pm****ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Clearing of area around Excavation Area 1 |

VISITORS:**DESCRIPTION OF WORK:**

Maxymillian personnel continued excavation of Area 2. The soil excavated from Area 2 is being stockpiled nearby on plastic sheeting. Excavation has been blocked on the eastern edge of the excavation by two large concrete structures. They appear to be column foundations, each approximately 4 feet thick. Currently approximately 90% of the excavation is open. Some diesel-like odors were encountered. MT performed the necessary atmospheric monitoring. The soil was covered overnight with plastic tarps. So far MT has uncovered approximately six empty pipes and four concrete slabs. They plan on locating an attachment for their excavator tomorrow to break the concrete slabs encountered today. One of the slabs is at a depth of 6.35 feet and is 1.5 feet thick. It covers approximately one-fourth of the excavation area and is circular in shape. There are three large concrete slabs/footers that are near the surface, but approximately 3 to 4-feet thick. One of these contains rebar. In a discussion with Dale Showers, the slab at a depth of 6.35 feet is to remain in-place while the others should be removed as necessary per the excavation limits.

MT personnel also cleared out the brush and removed part of the fence in Excavation Area 1. In discussion with Mike Bishop of Preferred, they need to have that corner of the fence replaced after excavation and backfill to maintain site security.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Will Raines 9/25/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 09/26/02

DAY Thursday

WEATHER: Overcast

TEMPERATURE: 60 am 80 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Clearing of area around Excavation Area 1 |

VISITORS:**DESCRIPTION OF WORK:**

Maxymillian personnel continued excavation of Area 2. They have removed all of the soil they can without removing the concrete foundations discovered yesterday. John Dougherty & Son have the equipment on-site necessary to remove the concrete and anticipated being able to remove the concrete Friday or Monday. The soil excavated from Area 2 is covered with tarps and plastic sheeting. The area is secure and is surrounded by safety fence.

MT personnel mobilized the excavator to Excavation Area 1 and began digging in the area laid out by the surveyors to a depth of 2 feet.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

Will Raines 9/26/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 09/30/02**DAY** Monday**WEATHER:** Sunny**TEMPERATURE:** 60 am 80 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

Maxymillian personnel continued excavation of Area 1. The subsurface is predominantly made up of gravel, brick and building rubble. RIMW-01 was preserved for future use or abandonment.

MT personnel mobilized the excavator to excavate some of the surface resin areas. They excavated areas 5 and 6 to the visual extents of the surface resin and to a depth of two feet.

BCC received submittals 7A and 9-12 from MT. BCC also returned submittal responses to MT for submittals 1-6 and 8.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

Will Raines 9/30/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 10/01/02**DAY** Tuesday**WEATHER:** Sunny**TEMPERATURE:** 70 am 83 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Kimberly Peck - ExelonNadeem A. - PECO**DESCRIPTION OF WORK:**


Maxymillian personnel performed excavation of Areas 7 and 9 (surface resin). They excavated to the visual extents of the surface resin and to a depth of two feet. MT resumed clearing of the river bank. They brought a chipper on-site for the afternoon to chip up the braches and trees cleared during last week's work.

Nadeem A. of Exelon and Kimberly Peck met Harold Bohl of Maxymillian and Will Raines of Brown and Caldwell in the PECO substation area. Nadeem is PECO's environmental manager for the area. He said that as long as equipment used for paving inside the bays of the substation were no larger than the size of a Bobcat machine, the bays would not need to be deenergized for the work to proceed. He said using a Bobcat in similar areas is a relatively common occurrence. PECO needs to receive a schedule to allow them to grant site access and schedule oversight. Work must be performed in fire retardant clothing. Before work would be allowed to happen in the areas, he would conduct a safety briefing for all necessary employees. He plans to meet the surveyors out there on Thursday, 10/3/02, to brief them.

BCC took attainment samples of Excavation Area 1. Using the east corner of the small building on the edge of the area as a starting reference, one foot panels were laid out clockwise. As set out in the Cleanup Plan, a random number table was used to layout the samples. BCC took samples at a depth of one-foot, six-inches into the excavation sidewall. BCC also collected A MS/MSD sample at location AT-1-146, a duplicate (AT-1-Dup) at AT-1-116, and a field blank. BCC sent the samples overnight to E-Lab in Nashville for expedited turn-around.

ATTACHMENTS:

- | | |
|--|------------------------------------|
| <input type="checkbox"/> Description of Work (Continued) | |
| <input type="checkbox"/> Equipment/Personnel Checklist | |
| <input checked="" type="checkbox"/> Map/Drawing | Sample layout |
| <input checked="" type="checkbox"/> Other: | Revised random number sample table |

 10/01/02
Signature of Preparer Date

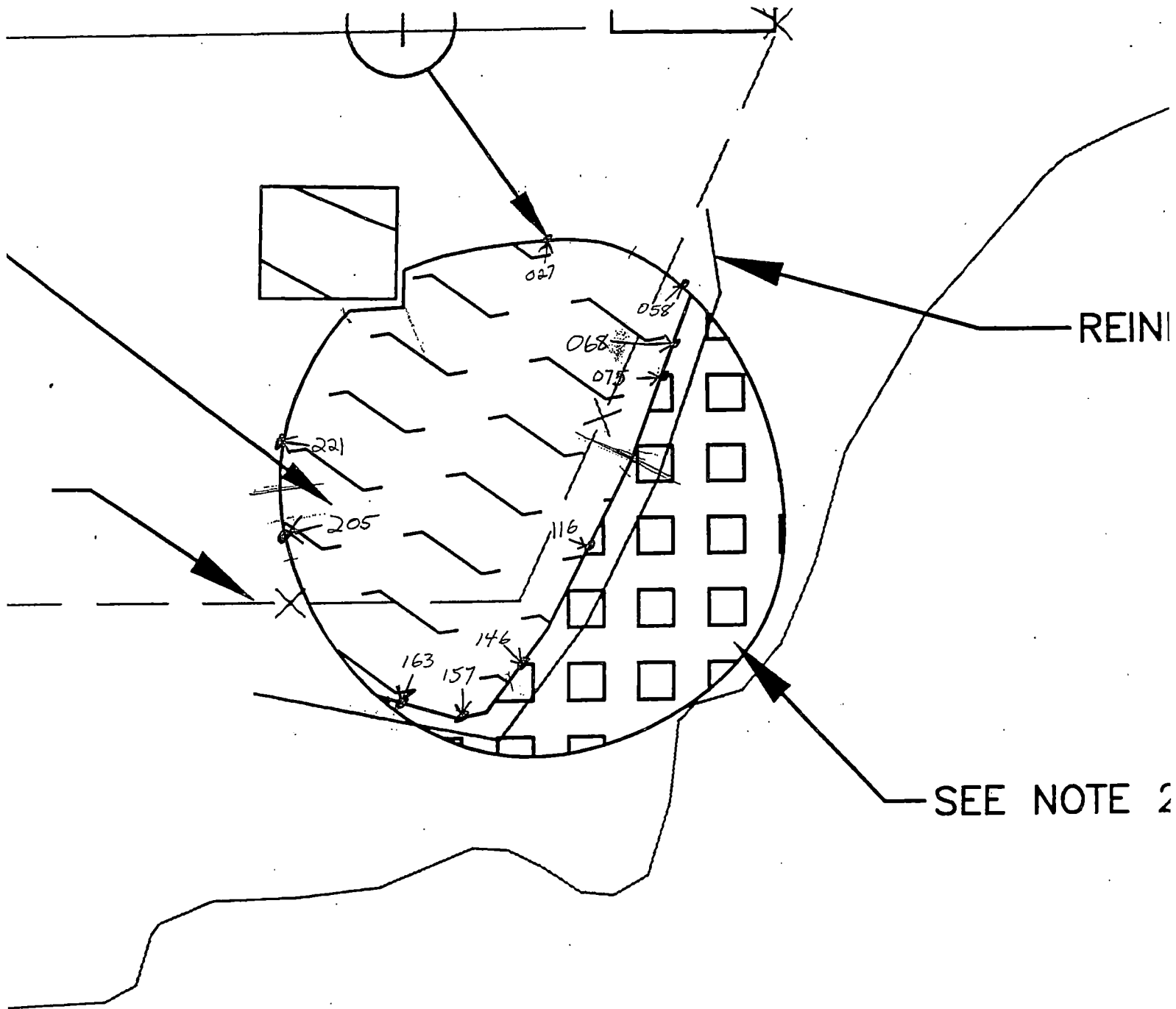
Page 1

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Table 2-1. Excavation Sidewall Attainment Sample Grid Locations

Randomly Generated Sidewall Grid Location Numbers	
Parcel 1	Parcel 4
27	20 (Dup)
58	54 (MS/MSD)
68	57
75	95
116 (Dup)	106
157 ← 146 (MS/MSD)	112
163	131
205	150
289 221	160
310	219
256 panels	285 panels
Taken 10/1/02	Taken 10/7/02

Excavate: 98-212



BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 10/02/02

DAY Wednesday

WEATHER: Sunny

TEMPERATURE: 70 am 86 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Clearing along river bank |

VISITORS:

Kimberly Peck - Exelon

Dale Showers, Mike Watkins - BC


DESCRIPTION OF WORK:

Maxymillian personnel resumed clearing of the river bank. They used a chipper to chip up the branches and trees cleared during last week's work. They removed the large concrete pediments that prevented full excavation of Area 2. MT and BCC also located and estimated the sizes of the extra surface resin areas (3 in all). See resin area drawing.

Kimberly Peck met Brown and Caldwell on-site to look over the areas. They were on-site for the morning before an afternoon meeting with the PADEP at their offices. A couple of issues were clarified during a talk between BCC and MT. One is that the subgrade is intended for full preparation in the main areas surrounding the substation as outlined in the specs and drawings. This may include excavation and disposal of small amounts of soil from the area. BCC and MT also discussed MT's memo dated 9/26/02 in which additional scope items were addressed.

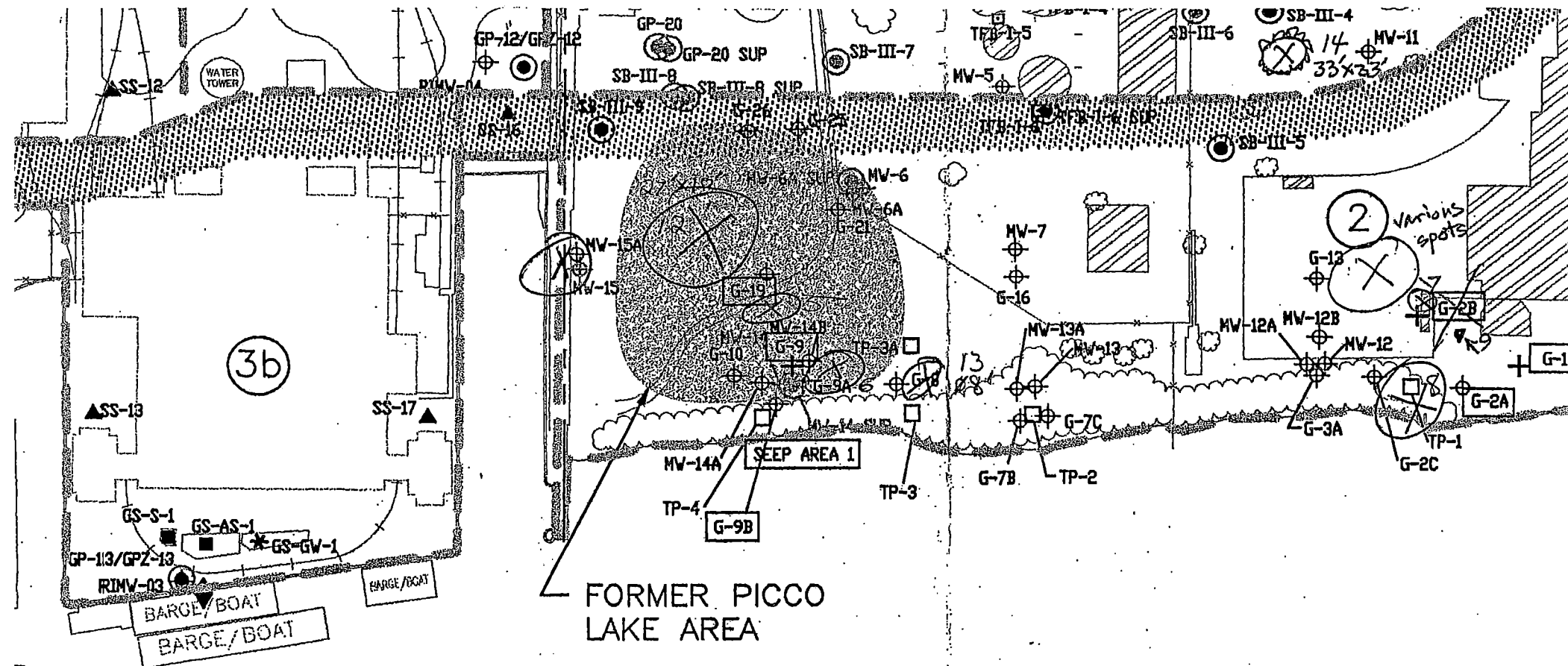
ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☒ Map/Drawing
☐ Other:

 10/2/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 10/03/02**DAY** Thursday**WEATHER:** Sunny**TEMPERATURE:** 70 am 83 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Nadeem A. - PECO


_____**DESCRIPTION OF WORK:**

Maxymillian personnel spent time breaking some of the concrete from Excavation Area 2 into smaller, disposal-sized pieces. MT also resumed clearing of the river bank. MT collected characterization samples of some of the excavated soils.

Nadeem A. of PECO gave a safety briefing for the surveyors. The surveyors took shots in the substation in preparation of a grading plan.

ATTACHMENTS:

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> Description of Work (Continued) | |
| <input type="checkbox"/> Equipment/Personnel Checklist | |
| <input checked="" type="checkbox"/> Map/Drawing | Depths of Excavations 5, 6, 8, and 9 |
| <input type="checkbox"/> Other: | |

 10/3/02

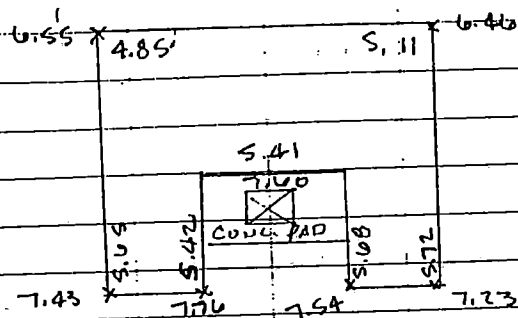
Signature of Preparer Date

Page 1

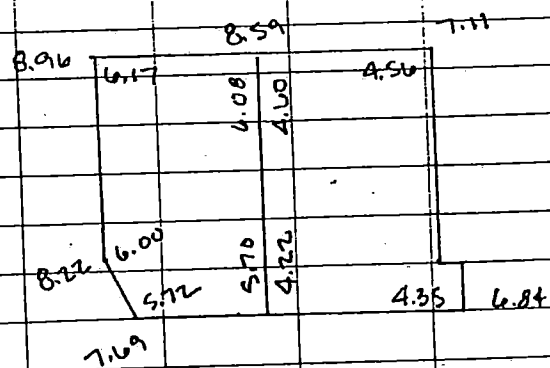
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10-03-02
DRD
RMR

CHESTER WATERFRONT



AREA # 8
(7.60)

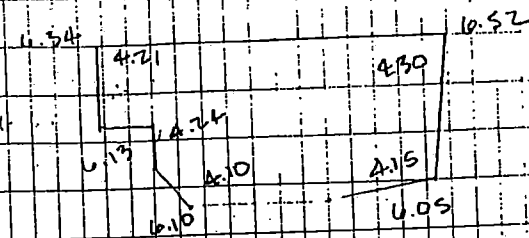


AREA # 9
(7.84)

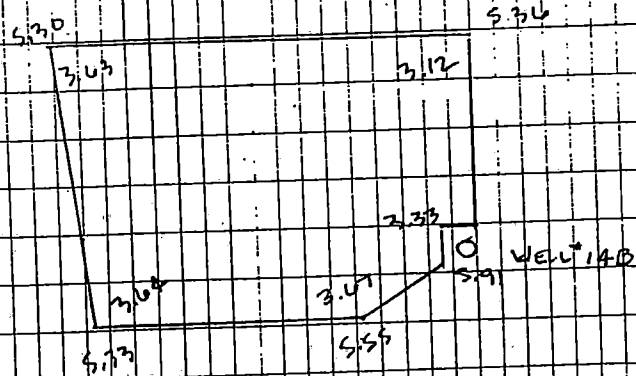
SUN JULY
60°

* 920156

658.77



AREA # 5
(6.45)



AREA # 6
(5.32)

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 10/04/02

DAY Friday

WEATHER: Overcast

TEMPERATURE: 70 am 83 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

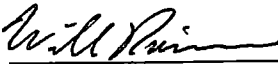
Rich Worthington - BC Allendale

DESCRIPTION OF WORK:

Maxymillian personnel were not on-site today. Rich Worthington was on-site to take a look at the river bank in preparation of the storm water CSO grouting that Maxymillian has been hired to perform. He said he saw no problems using the existing groundwater treatment system to treat the groundwater encountered in Excavation Area 2. He plans to be on-site Monday, 10/7/02, to oversee the grouting process. Further discussion of the groundwater treatment can happen then.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/4/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania

Observers: Will Raines

DATE: 10/07/02

DAY Monday

WEATHER: Overcast

TEMPERATURE: 65 am 80 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: River bank clearing |

VISITORS:

Rich Worthington - BC Allendale

DESCRIPTION OF WORK:

Maxymillian personnel began grouting the CSO on the river bank. Rich Worthington was on-site to oversee the process and inspect the river bank.


MT also cleared trees that had fallen onto the river bank using the excavator. MT collected more characterization samples of the excavated soils.

BCC collected 20 attainment samples from 10 locations at depths of 4 and 6 feet below grade from Excavation Area 2. The samples were shipped to ELab of Nashville for 24-hour turn-around analysis. An MS/MSD sample was taken at the 4-foot depth of sample number AT24-054. Two QA/QC samples were also collected including a field blank and a duplicate (AT2-Dup) of sample location AT24-020.

BCC also discussed the treatment of groundwater from Excavation Area 2. The water will be pumped using 2-inch electrical pumps through Rosedale filters to the existing treatment/extraction system. MT will run the pipe directly into the oil/water separator.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☐ Map/Drawing
☒ Other: Revised Table 2-1 and sample layout

 10/7/02
Signature of Preparer Date

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Table 2-1. Excavation Sidewall Attainment Sample Grid Locations

Randomly Generated Sidewall Grid Location Numbers	
Parcel 1	Parcel 4
27	20 (Dup)
58	54 (MS/MSD)
68	57
75	95
116 (Dup)	106
157 ← 146 (MS/MSD)	112
163	131
205	150
289 221	160
310	219
256 panels	285 panels

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment**Location: Chester Pennsylvania****Observers: Will Raines****DATE: 10/08/02****DAY Tuesday****WEATHER: Sunny****TEMPERATURE: 50 am 72 noon 70 pm****ITEMS WORKED ON:**

- | | |
|---|--|
| <input checked="" type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input checked="" type="checkbox"/> Backfill |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: River bank clearing |

VISITORS:Rich Worthington, Paul Mutch - BC AllendaleKimberly Peck - Exelon**DESCRIPTION OF WORK:**

Maxymillian personnel continued grouting the CSO on the river bank. Rich Worthington was on-site to oversee the process and inspect the river bank. Paul Mutch was on-site to take a look at the location for a proposed groundwater collection trench.

Kimberly Peck was on-site to inspect the river bank and the CSO grouting. BCC asked questions concerning the remaining excavation necessary in Excavation Area 1 and the paving in the substation area. The plan for Area 1 is to excavate the area containing sampling results above the attainment limits to an extent of 5-feet and a depth of 2-feet, taking 5 more attainment samples randomly spaced over the newly excavated area. The paving in the substation should only extend far enough south to reach the fence currently in-place. Once BCC receives copies of the grading plan from MT, BCC will pass these on to Exelon who will in-turn discuss the plans with Preferred.

MT also cleared trees that had fallen onto the river bank using the excavator. MT collected more characterization samples of the excavated soils.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/8/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester Pennsylvania**Observers:** Will Raines**DATE:** 10/09/02**DAY** Wednesday**WEATHER:** Sunny**TEMPERATURE:** 50 am 72 noon 70 pm**ITEMS WORKED ON:**

- ☒ Sampling
- ☐ Well/Monitoring Probe Installation
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Rich Worthington - BC Allendale**DESCRIPTION OF WORK:**

MT placed geotextile and stone in Excavation Areas 5, 6, 8, and 9. They also excavated the extra area in Excavation Area 1. They removed an area that was 5 feet wide and 2 feet deep along the length that yield attainment sample results above the standard.

BCC collected samples along the area that was reexcavated. The area stretched from the locations 095 to 213 as the locations were originally laid-out. For the new round of samples, the new area was renumbered starting at the original location 095 (i.e., original 095 was renumbered as new 001). A sample layout is attached. A duplicate was taken at location 130, and an MS/MSD was taken at location 019. Due to the width of the excavation, there is no soil left from the original depth 0-2 feet from new locations 93 to 116. This area goes straight to the bank. MT installed silt fence to intercept any runoff from this area.

Rich Worthington talked to a subcontractor about placing an oil boom outside of the river bank from the CSO to the pier to the southwest.

ATTACHMENTS:

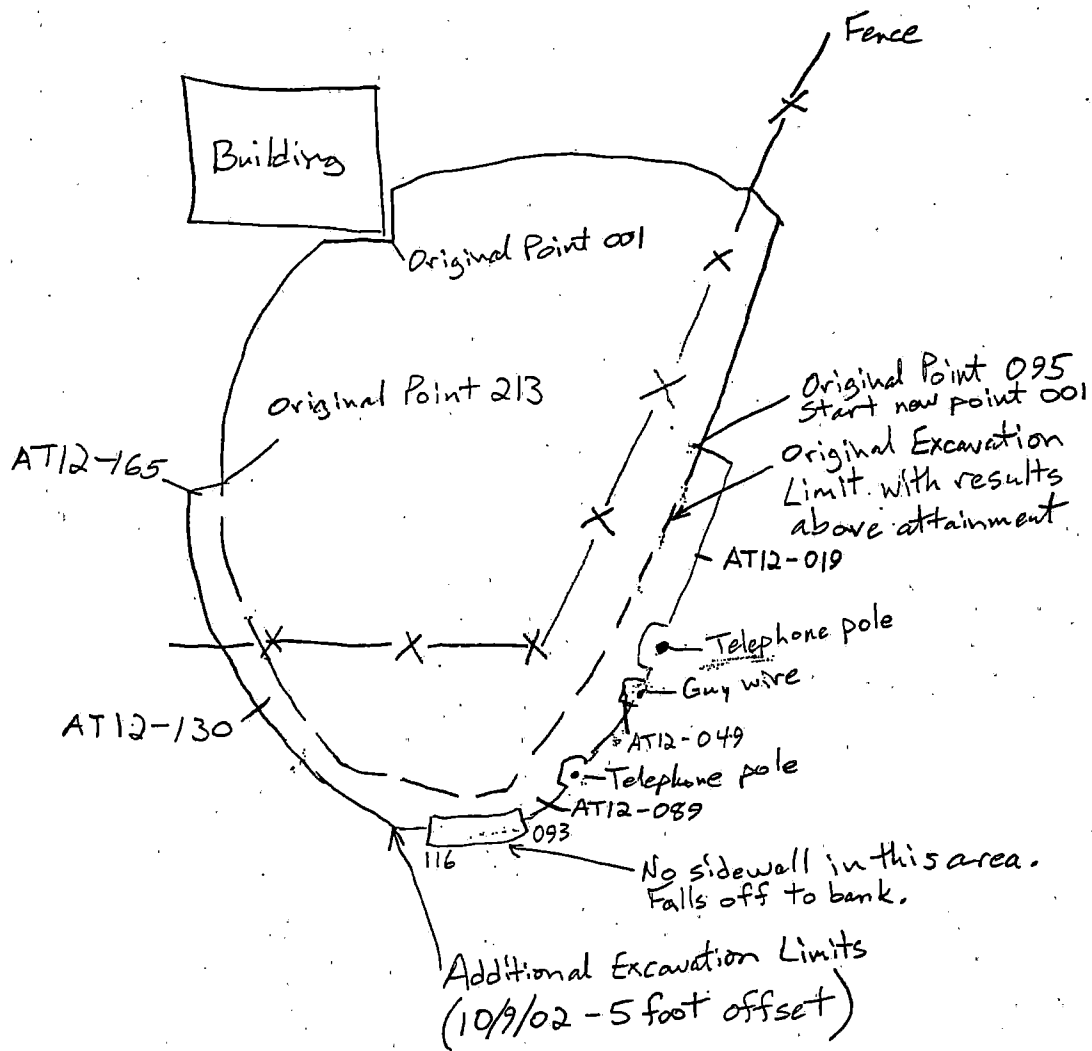
- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☒ Map/Drawing Sample layout sketch
- ☐ Other:

Will Raines 10/9/02
Signature of Preparer Date

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New samples taken 10/9/02



BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/10/02

DAY Thursday

WEATHER: Rainy

TEMPERATURE: 60 am 70 noon 70 pm

ITEMS WORKED ON:


- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input checked="" type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT continued removing trees from the river bank. They also worked on removing the railroad ties from Area 10.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/10/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/11/02**DAY:** Friday**WEATHER:** Rainy**TEMPERATURE:** 60 am 70 noon 70 pm**ITEMS WORKED ON:**

- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Kimberly Peck - Exelon

_____**DESCRIPTION OF WORK:**

MT was not on-site today. BCC talked with Kim Peck on-site concerning the limits of paving in Area 11 (CT Area). Kim said the paving should extend to the fence on the northwest and southwest sides of the area. No paving should extend past the fence in any direction.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/11/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/14/02

DAY Monday

WEATHER: Sunny

TEMPERATURE: 55 am 68 noon 60 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☒ Demolition
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

MT removed railroad ties from Area 11.
MT also submitted a grading plan for Area 11 (CT Area).

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/14/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/15/02

DAY Tuesday

WEATHER: Sunny

TEMPERATURE: 55 am 68 noon 60 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☒ Demolition
- ☐ Piping Installation
- ☐ Overhead Door Installation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

DESCRIPTION OF WORK:

MT removed railroad ties from Area 11 and loaded them into a rolloff for off-site disposal. The forms still need to be filled out and the characterization results received before a final destination can be chosen.

BC received a grading plan for Area 10 (Substation).

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/15/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/16/02**DAY** Wednesday**WEATHER:** Sunny**TEMPERATURE:** 55 am 68 noon 60 pm**ITEMS WORKED ON:**

- ☒ Sampling
- ☐ Demolition
- ☐ Piping Installation
- ☒ Rip-rap/Riverbank work
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☒ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

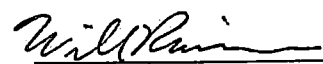
DESCRIPTION OF WORK:

MT commenced reworking parts of the riverbank using excess concrete blocks previously piled up above the bank slope. They also worked at chipping some of the brush and trees cut by the clearing operations.

MT excavated the one section of Excavation Area 1 still with sample results above attainment.
BC sampled this area and shipped the sample to E-Lab of Nashville for results to be available on Monday, 10/21/02. A random number table was used to select the position of the sample inside the area delineated by the previous round of sampling.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/16/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/17/02**DAY** Thursday**WEATHER:** Overcast**TEMPERATURE:** 50 am 60 noon 60 pm**ITEMS WORKED ON:**

- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank work | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Mike Watkins, Rich Worthington - BC

_____**DESCRIPTION OF WORK:**


MT continued reworking parts of the riverbank using excess concrete blocks previously piled up above the bank slope. They also worked at chipping more of the brush and trees cut by the clearing operations.

BCC observed MT digging a few test pits in the areas of the substation and the CTs. The results of these pits (each approximately 6 to 7 inches deep) show that there is approximately 1 to 2 inches of 1-inch stone. Below that layer are a few inches of 3/4-inch aggregate and then a couple of inches of pulverized granular material. Native soil appears to be below these layers.

Mike Watkins and Rich Worthington were on-site to oversee the steam cleaning of some of the extraction wells near the river bank.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/17/02

Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers: Will Raines****DATE: 10/18/02****DAY Friday****WEATHER: Sunny****TEMPERATURE: 50 am 60 noon 60 pm****ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Piping Installation
- ☐ Rip-rap/Riverbank work
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Bob Matty - Exelon

_____**DESCRIPTION OF WORK:**

MT was not on-site today.

Preferred had sent an email to Exelon complaining about some of the chipping done previously in the week and the condition of the site resulting from the clean-up work performed by MT and BCC. BCC contacted Mike Bishop of Preferred twice today and Mike did not know of anything that needed to be done about the current condition of the site. BCC met Bob Matty of Exelon on-site. Bob Matty contacted Rob Risnychok of Preferred. Rob met BCC and Exelon on-site to discuss the problems addressed in the email; however, he too knew of nothing that needed to be done about the site at that moment.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/18/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/21/02**DAY** Monday**WEATHER:** Sunny**TEMPERATURE:** 55 am 68 noon 60 pm**ITEMS WORKED ON:**

- | | |
|--|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Overhead Door Installation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

DESCRIPTION OF WORK:

MT's surveyor was on-site to record locations and existing elevations on the surface resin areas recently identified for excavation (Areas 12, 13, and 14). MT excavated these areas to 2-foot depths and lined the bottoms of the areas with geotextile. The surveyor remained on-site to measure the final depths and extents of these areas.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☒ Map/Drawing
- ☐ Other:

Will Raines 10/21/02
Signature of Preparer Date

Page 1

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10-21-02

DRD
RSS

CHESTER WATERFRONT
"MAXYMILLIAN TECH"

②25' ②25'
10.00 10.16 10.43

RIVER

AREA #13
8' DIA.

②50' ②50'
7.00 8.14 8.86
27' x 12'

DOCK SIDE

AREA #12

RIVER

SUNNY
60°

#920156

642.51

②60' ②50'
10.41 10.76 11.33

AREA #14
33' x 33'

WAL
#MW-1
BM SET
12.60

PAVED LOT

RIVER

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/22/02**DAY** Tuesday**WEATHER:** Sunny**TEMPERATURE:** 55 am 68 noon 60 pm**ITEMS WORKED ON:**

- | | |
|--|---|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input checked="" type="checkbox"/> Backfill |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Setup for dewatering |


VISITORS:**DESCRIPTION OF WORK:**

MT backfilled areas 12, 13, and 14 using #57 stone. Sample results indicate that asbestos is present in part of the surface resin for Area 14. BCC will ask MT to develop an estimate for properly handling and disposing of the material as well as some old roofing materials encountered along the bank.

MT assembled piping to allow the dewatering process to begin in Area 2. The piping was connected from the Area 2 excavation to the treatment trailer for the existing groundwater extraction system. Pumping of the groundwater/rainwater is being held until the analytical results from the groundwater can be obtained for the analytes called out in the Delcora permit for discharge of the treatment system. BCC will obtain final approval from Delcora prior to pumping.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/22/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/23/02**DAY** Wednesday**WEATHER:** Sunny**TEMPERATURE:** 45 am 58 noon 55 pm**ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input checked="" type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

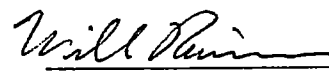
A conference call was held at 10 AM ET between BCC and MT to discuss the status of the project and to try to resolve a few issues. In attendance were Dale Showers, Bob Ash, and Will Raines for BCC and Matt McCarthy, Vern Palen, and Harold Bohl for MT. MT has proposed regrading the existing stone in both areas to be paved instead of excavating some existing material and placing new subbase. MT will run sieve analyses on the existing stone material to try and demonstrate that the material is similar to what is required in the specs. MT and BCC will dig some more test pits to assess the thicknesses of the existing material and locate the pits on the submitted grading plans.

MT completed backfilling areas 13 and 14 with #57 stone.

MT placed concrete boulders along the riverbank slope and separated materials from the piles of wood and debris generated from the clearing operations.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/23/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/24/02

DAY Thursday

WEATHER: Sunny

TEMPERATURE: 45 am 58 noon 55 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Piping Installation | <input checked="" type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |


VISITORS:**DESCRIPTION OF WORK:**

MT and BCC dug more test pits in the CT Area and Substation (results will be included on a new MT submittal). A sample of the stone was collected for a sieve analysis.

MT spent time separating different materials from the piles along the riverbank and the concrete piles generated from Excavation Area 2.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/24/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/25/02

DAY: Friday

WEATHER: Overcast

TEMPERATURE: 45 am 58 noon 55 pm

ITEMS WORKED ON:

- ☒ Sampling
- ☐ Demolition
- ☐ Piping Installation
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:


VISITORS:**DESCRIPTION OF WORK:**

MT was not on-site today.

BCC took a sample of the groundwater/rainwater in the open excavation of Area 2. The sample is being analyzed for naphthalene, BTEX, and MTBE. The field pH was 6.87. The sample was sent via FedEx for Saturday delivery and 24-hour turn-around.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 10/25/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/28/02**DAY** Monday**WEATHER:** Overcast**TEMPERATURE:** 45 am 58 noon 55 pm**ITEMS WORKED ON:**

- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input checked="" type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Kimberly Peck - Exelon

_____**DESCRIPTION OF WORK:**

MT loaded a total of 24 trucks to dispose of soil at the Clean Earth of Philadelphia facility. Kimberly Peck was on-site in the morning to sign waste manifests for soil disposal.

MT also began backfill and compaction of Excavation Area 1 using structural fill and a walk behind vibratory compactor. The fill appears to be placed in 12" lifts.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/28/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/29/02**DAY** Tuesday**WEATHER:** Rainy**TEMPERATURE:** 45 am 58 noon 55 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Kimberly Peck - Exelon

_____**DESCRIPTION OF WORK:**

MT loaded a total of 12 trucks to dispose of soil at the Clean Earth of Philadelphia facility and 22 trucks for the Clean Earth of New Castle, DE facility. Kimberly Peck was on-site to sign waste manifests for soil disposal.

MT also continued backfill and compaction of Excavation Area 1 using structural fill and a walk behind vibratory compactor. The fill appears to be placed in 12" lifts.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/29/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 10/30/02**DAY** Wednesday**WEATHER:** Overcast/Rainy**TEMPERATURE:** 38 am 48 noon 45 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

MT loaded a total of 20 trucks to dispose of soil at the Clean Earth of Philadelphia facility.
MT also continued backfill and compaction of Excavation Area 1 using structural fill and a walk behind vibratory compactor.
The fill appears to be placed in 12" lifts.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/30/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 10/31/02

DAY Thursday

WEATHER: Sunny

TEMPERATURE: 36 am 50 noon 45 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

DESCRIPTION OF WORK:

MT loaded a total of 8 trucks to dispose of soil at the Clean Earth of Philadelphia facility and 30 trucks for the Clean Earth of New Castle, DE facility.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 10/31/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 11/01/02

DAY Friday

WEATHER: Sunny

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |


VISITORS:**DESCRIPTION OF WORK:**

MT loaded a total of 8 trucks to dispose of soil at the Clean Earth of Philadelphia facility and 32 trucks for the Clean Earth of New Castle, DE facility.

BCC discussed the paving runoff issue with John Williams of Dougherty & Son, Inc., Preferred's general civil contractor. He said that they planned on merely grassing the buffer area between their new road and the fence for the substation. They are planning on sloping that area so that it drains into the gutters on the new street.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 11/01/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 11/04/02

DAY Monday

WEATHER: Overcast

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☒ Other: Geotechnical testing


VISITORS:**DESCRIPTION OF WORK:**

MT loaded a total of 7 trucks to dispose of soil at the Clean Earth of Philadelphia facility and 12 trucks for the Clean Earth of New Castle, DE facility.

Underwood Laboratories was on-site to test the compaction of the backfill in Area 1. They were able to test both lifts with a nuclear density testing device.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 11/4/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 11/05/02

DAY Tuesday

WEATHER: Overcast

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

Kimberly Peck - Exelon

Linda Fisher, Renee Gelblat, and others - USEPA

Sarah Pantelidou, Pat Anderson, and others - PADEP

DESCRIPTION OF WORK:

MT loaded miscellaneous metal encountered along the river bank into a rolloff for disposal. They also secured the various construction areas in preparation for the work stoppage.

Preferred Real Estate led a walk through of the generating station and site visit for representatives of the USEPA and PADEP. The PADEP representatives took a more detailed walk through of the remediation work being performed under the Act 2 regulations.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 11/5/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 11/06/02

DAY Wednesday

WEATHER: Overcast

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

DESCRIPTION OF WORK:

MT secured the site prior to leaving the area during the temporary shutdown. Asbestos abatement bidders were on-site to view the potential work.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 11/6/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 11/18/02**DAY** Monday**WEATHER:** Sunny**TEMPERATURE:** 40 am 50 noon 45 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☒ Other: Dewatering

VISITORS:Gary Sheehan, Attila Rigo - MESA Environmental

_____**DESCRIPTION OF WORK:**

BCC and MT arrived at the site after the temporary work shutdown.

MT finished connecting the pump and the piping for the dewatering operation. Members of MESA Environmental met BCC on-site to begin the pumping of groundwater from Excavation Area 2 to the existing on-site treatment system. Pumping commenced at approximately 10:30 AM. MESA personnel kept a watch on the treatment system and the level in the oil/water separator. Dewatering commenced throughout the day at a rate of approximately 43 gpm. At 17:50 the flowrate was decreased to approximately 15 gpm and dewatering continued over night.

MT personnel also continued removing wood from along the riverbank.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 11/18/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 11/19/02

DAY Tuesday

WEATHER: Sunny

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Dewatering |

VISITORS:


Attila Rigo - MESA Environmental

DESCRIPTION OF WORK:

BCC and MT continued the dewatering operation at Excavation Area 2. Members of MESA Environmental met BCC on-site to observe the pumping of groundwater to the existing on-site treatment system. Pumping increased to a rate of approximately 45 gpm at approximately 8:00 AM. MESA personnel kept a watch on the treatment system and the level in the oil/water separator. BCC collected a sample of the system effluent in accordance with the DELCORA approval for discharge. The sample will be analyzed for BTEX compounds, MTBE, and naphthalene. The field pH of the water was 7.81. Dewatering commenced throughout the day at a rate of approximately 43 gpm. At 16:45 the flowrate decreased to approximately 10 gpm. The pumping continued overnight to capture groundwater infiltration. MT personnel also continued removing wood from along the riverbank.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 11/19/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 11/20/02**DAY** Wednesday**WEATHER:** Sunny**TEMPERATURE:** 40 am 50 noon 45 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input checked="" type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input checked="" type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input checked="" type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Dewatering |

VISITORS:Attila Rigo - MESA Environmental

_____**DESCRIPTION OF WORK:**

BCC and MT continued the dewatering operation at Excavation Area 2. Members of MESA Environmental met BCC on-site to observe the pumping of groundwater to the existing on-site treatment system. Pumping ceased at approximately 11:30 AM. See attached entries from MESA field book for a more detailed account of the dewatering operation.

MT excavated two areas inside Excavation Area 2 as delineated by the attainment samples taken previously in the Area. BCC collected three more samples from the areas that were excavated. The samples (including a duplicate of AT262-027, a field blank, and an MS/MSD sample of AT262-001) were shipped overnight to E-Lab of Nashville for 48 hour turn-around.

MT began placing coarse aggregate in the bottom foot of Excavation Area 2.

MT subcontractor replaced the fence removed during the excavation in Area 1.

The site was secured for work to startup again on December 2, 2002.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☐ Map/Drawing
☒ Other: MESA field book entries
Sample layout

Will Raines 11/20/02
Signature of Preparer Date

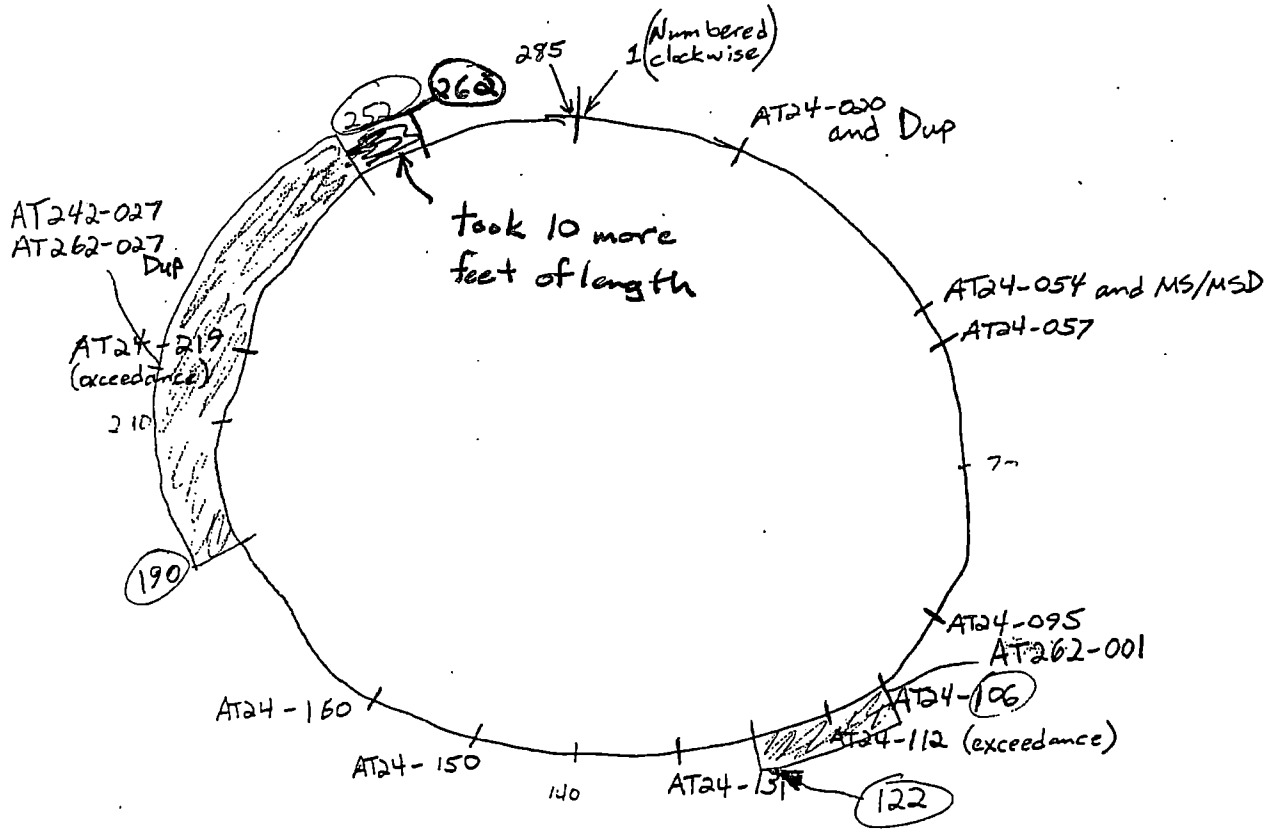
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$$\begin{array}{r} 285 \\ - 219 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 219 \\ - 160 \\ \hline 59 \end{array}$$

Places to excavate



Sample layout of Excavation Area 2

9:50 ACK on-site

Note: Mostly Cloudy, mild 50°F, wind 5-15 mph SW, tide is at mid-tide & going out

9:59 Check level in on-line drum #1 = 2.18'

10:04 Check rope skimmer, skimmer stuck, now OK

10:11 Taking a daily reading

Note: Vacuum pump = 13-15" AWS = 12-14"

	Date	Time	Totalizer	Gallons	Time(min)	GPM
60°F, going	11/13/02	10:11	19982467	10371	1434	7.23

10:20 Going to finish water levels

10:59 Back from water levels

11:06 Check CSOS area

Note: Still minor amount of sheen coming out of head of CSOS

11:10 ACK off-site, system OK

Friday 11/15/02

10:53 ACK on-site

Note: Partly Cloudy, mild 50°F, wind 5-10 mph SW, tide is high & coming in

11:03 Check level in on-line drum #1 = 2.20'

11:07 Check level in off-line drum #5 = 1.54'

11:12 Check rope skimmer, skimmer stuck, now OK

11:19 Going to do passive skimmer collection

11:57 Back from passive skimmer collection

11:52 Taking a daily reading

Note: Vacuum pump = 13-14" AWS = 12-13"

	Date	Time	Totalizer	Gallons	Time(min)	GPM
4" wide nks	11/15/02	11:52	20003185	20718	2982	6.95

11:57 ACK off-site, system OK

Monday Nov 18 2002

Sun, Fair, A/C, Cool ~45°F, Windy from SW.

TIDE M-H IN.

0830

GTS on site, Will Raines (BIC) Harold (Maximilian) at TRAILER
Hooking up Discharge to OWS

11-18-02 cont

CALIBRATE PH METER - TAKING A WHILE

10:28 Back from water levels

10:33 Check level in on-line drum #1 = 2.21'

10:35 Will @ trailer, Flow begins through portal through pit dewatering

Note: Initial InFlow was cloudy w/ some black sand

10:50 InFlow is now slightly cloudy, very little sediment

11:40 InFlow STOPS. Pump OFF (DEWATERING PUMP AT PIT)

NOTE - FEW SYSTEM PULSES GO THROUGH.

PH METER CALIBRATED 4.00 = 4.02, 7.00 = 7.37, 12

12:05 COLLECT EFF 111802 pH = 6.85 TEMP = 14.3 °C

2 SVOE, 3 VOC. (few black granules - dried product?)

12:15 Flow ~~METER~~ BEGINS AGAIN FROM DEWATERING OF PIT (MAXIMILLIAN)

12:35 NOTE - DISCHARGE PUMP IS CYCLING ON AND OFF, TOTALIZER METER APPEARS TO BE STUCK AT 20038568 gal, NOT CHANGING (WAS WORKING ~ 1/2 HR AGO).

RESET FLOW METER BY UNPLUGGING, THEN PLUGGING BACK IN, STILL NOT RECORDING FLOW.

~ 12:30 AER CALLED CLEAN VENTURES - BOOM LOOSE AT D.R. END

12:55 CALL ULS LEAVE MSG

13:30 PROD. TANK (1) ON LINE 2.23' AT 13:30

0.02' FROM 9:30 TO 13:30 (4 hrs) 0.01' every 2 hrs

~ 13:30 GTS/WILL CAINES CHECKED PIT DEWATERING FLOW (Q)

~ 5 gal / 7 sec \approx 43 gpm. OWS STABLE - BUT

PUMP (DISCHARGE PUMP ON/OFF CYCLING - NOT TOO HOT BUT CONCERN. 1344 CUT BACK DISCH. PUMP &

(PRESSURE (AT FLOW METER TOTALIZER) GOES FROM ~ 50 TO

~ 60 PSI, W/IN ~ 10 min, OWS BEGINS TO OVERBOARD

CUT FLOW BACK @ ~ 1345

GTS ~~WILL~~ SCOOPS OUT NAPL INTO DRUM

11-18-02 (con't)

13:55 Level in drum #5 = 1.57'

Tally of 5-gal. buckets manually emptied into drum #5:

#2 = 9.5 gal (98% + NAPL)

(-1-2% water)

L. through

15:25 Ted Jennings, Bob Murray, Bob Matty, Kim Peck, and one other toured the treatment system building.

Document

CHANGE PROD. DRUMS - Drum 5 OFFLINE. Drum 2 (NEW)

ON LINE. Drum 3 - HT Δ = 0.0 @ 16:00.

1

CALL BRIAN RICHARD ELAB - ORDER NEW BOTTLE SET + TP4 (4181)
TO ATTILA'S HOME COATESVILLE.

12

(1500) GTS OPENED BALL VALVE ON DISCHARGE LINE TO 100%

1615 APPEARS FLOW METER HAS STARTED WORKING AGAIN (JUST ?)

1630 CONV w/ RJW.

NOTE CLEAN VENTURES FIXING LOOSE BOOM S. END SITE AT HEADWALL.

NOTE TOTALIZER METER (SIGNET 8512) WORKS DURING AWS-TRANSFER PUMP DISCHARGE - 1st AT ~125 gpm, immed. reduced to ~82-87 gpm. CAN HEAR CHECK VALVE (2"-4" REDUCER) SURGING THEN CLOSING WHEN PUMP (DISCH) WAS CYCLING, AS IF A BALL ROLLED AROUND THEN SEATED, WITH A POP SOUND. AFTER ^{1st} TRANSFER PUMP CYCLE - NO MORE POP, BUT STILL THE SURGING SOUND.2 hrs. TRY CONFIGURING KILL'S CELL INTO SENSAPHONE - PROBLEMS - CALL
(1A) PETE AT SENSAPHONE - TECH SUPPORT. HE'LL INPUT KILL'S # (AFTER SEVERAL UNSUCCESSFUL TRIES BY GTS.

1730 GTS/WILL RAINES LEAVE SITE - OK. (DISCH PUMP CYCLING)

50 to

11/19/02 8:48

ACL on-site

11/19/02

Note: Mostly Sunny, cool 45°F, wind 5-15 mph NW,
tide is at mid-tide & ~~coming in~~
- Water from dewatering pit is flowing into
our OWS & working fine

9:07 Check level in on-line drum #3 = 0.02'

9:11 Check rope skimmer, skimmer OK

9:29 Taking a daily reading

Note: Vacuum pump = 12-14" Hg = 12-14"

Date	Time	Totalizer	Gallons	Trimix	GPM
11/19/02	9:29	200836	47259	1494	31.63

Note: Discharge pump is oscillating on/off
every 5 seconds because of dewatering into
our OWS.

9:50 Going to do a passive skimmer collection

Note: Will Raines turning flow down on dewatering
pit water starting to get low - waiting
to take sample on dewatering.

- At 8:00 will open valve 100% on dewatering
totalizer reading = 20077941

10:13 Back from passive skimmer collection

10:18 ACL off-site will be back in 1/2 hour - Will
Raines keeping an eye on dewatering

10:58 ACL back on-site

Note: Dewatering has been turned down to 50%
Will went to pickup his sample bottles
at his hotel, will be back to collect
sample for dewatering water

11:16 Dewatering is still OK

11:38 Smt onsite ACL shows Smt the system

11:45 ACL off-site

12:30 Will Raines collects re-sample. Checks system to 100%

1:45 Dewatering OK

2:20 Dewatering level OK

2:45 Dewatering level OK. Smt spoke w/ Will Raines

a little bit more dewatering left in bench may be

1-2 more hours. Will will check on treatment system

Smt close door only will will lock up @ end of day

11/19/02 (cont.)

WSR 15:46 Noticed flow meter not working. Attempted to open valve at discharge to flush the effluent line.

16:45 After talk w/ Gary Sheehan, cut off fan and turned heat up to try to heat effluent line.

Dewatering pump is still running @ approximately 10 gpm.

17:50 No response from flow meter. Closed valve to normal setting, turned heat down, let dewatering continue @ ~10 gpm. Leaving the site.

Wed 11/20/02

10:07 ACR on-site

Note: Partly sunny, mild 50°F, wind Smpth SW, tide is at mid-tide & ~~is~~ coming in

Note: Bob Crane was here earlier and had gotten the flow meter to work

10:21 Check level in on-line drum #3 = 0.02'

10:27 Check rope skimmer, skimmer stuck, now OK

Note: let skimmer run for 10 minutes to get all floating product

10:36 Taking a daily reading

Note: Vacuum pump = 12.5-16" A/S = 12-14"

Date	Time	Totalizer	Gallons	Time(min)	GPM
11/20/02	10:36	20095584	11939	1488	8.02

10:39 Going to do a CSOS inspection

- boom is in place

- no evidence of flow out of hole that was in the side of CSOS

- no sheen bubbles seen around the CSOS

- see a very slight glaze of sheen around CSOS - hardly noticeable

- tide is high, covers 95% of CSOS

10:48 Back from CSOS inspection

10:53 ACR off-site, system OK

Note: Slow flow from dewatering still in progress, Will Raines will keep an eye on dewatering

WSR

11:30 Brown & Caldwell stops dewatering.

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/02/02**DAY** Monday**WEATHER:** Sunny**TEMPERATURE:** 35 am 45 noon 40 pm**ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |


VISITORS:**DESCRIPTION OF WORK:**

BCC and MT arrived on-site after temporarily ending work on 11/20/02.

MT repaired security fence around Excavation Area 2 and stockpiled stone along the riverbank. They also repositioned some of the large pieces of concrete along the eastern end of the rip-rap area to lessen the amount of gravel fill needed. MT began filling areas along the riverbank with gravel using the excavator and a loader.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 12/2/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 12/03/02

DAY Tuesday

WEATHER: Partly cloudy

TEMPERATURE: 25 am 35 noon 30 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input checked="" type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. They also repositioned some of the large pieces of concrete along the rip-rap area to lessen the amount of gravel fill needed. MT continued filling areas along the riverbank with gravel using the excavator and a loader.

The surveyors were on-site to document the final elevations after backfilling Excavation Areas 1, 5, 6, 8, 9, 12, 13, and 14. They also verified the depth of Excavation Area 2.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/3/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers: Will Raines****DATE: 12/04/02****DAY Wednesday****WEATHER: Sunny****TEMPERATURE: 25 am 35 noon 30 pm****ITEMS WORKED ON:**


- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. They also repositioned some of the large pieces of concrete along the rip-rap area to lessen the amount of gravel fill needed. MT continued filling areas along the riverbank with gravel using the excavator and a loader.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 12/4/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/05/02**DAY** Thursday**WEATHER:** Snow**TEMPERATURE:** 20 am 30 noon 25 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Dale Showers - BCC

_____**DESCRIPTION OF WORK:**

Work was mostly halted due to the snow. The site received approximately 6 inches of snow over the course of the day.

Dale Showers was on-site to view the work progress.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/5/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/09/02**DAY** Monday**WEATHER:** Sunny**TEMPERATURE:** 20 am 30 noon 25 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Cynthia Doughty, Mike Watkins - Brown and Caldwell

_____**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. MT continued filling areas along the riverbank with gravel using the excavator and a loader.

Cynthia Doughty and Mike Watkins were on-site to oversee well abandonment.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/9/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/10/02**DAY** Tuesday**WEATHER:** Overcast**TEMPERATURE:** 20 am 30 noon 25 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Cynthia Doughty, Mike Watkins - Brown and CaldwellKimberly Peck - Exelon**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. MT continued filling areas along the riverbank with gravel using the excavator and a loader. MT also began placing geotextile along the riverbank slope in 25-foot lengths, overlapping each piece by 18 inches. As the pieces of geotextile are put in place, MT covers them with 6 inches of R-2 rip-rap and 3 feet of R-7 rip-rap.

Cynthia Doughty and Mike Watkins were on-site to oversee well abandonment. Kimberly Peck visited the site to see the project status.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/10/02
Signature of Preparer Date

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BROWN AND CALDWELL

DAILY FIELD REPORT

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 12/11/02

DAY Wednesday

WEATHER: Rain

TEMPERATURE: 30 am 35 noon 30 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

Cynthia Doughty - Brown and Caldwell

DESCRIPTION OF WORK:

MT continued stockpiling stone along the riverbank. MT continued filling areas along the riverbank with gravel using the excavator and a loader. MT also continued placing geotextile along the riverbank slope in 25-foot lengths, overlapping each piece by 18 inches. As the pieces of geotextile are put in place, MT covers them with 6 inches of R-2 rip-rap and 3 feet of R-7 rip-rap.

Cynthia Doughty was on-site to oversee well abandonment.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/11/02
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/12/02**DAY** Thursday**WEATHER:** Overcast**TEMPERATURE:** 35 am 45 noon 40 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Cynthia Doughty - Brown and Caldwell

_____**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. MT continued placing 3 feet of R-7 rip-rap over the geotextile and R-2 rip-rap placed yesterday.

MT placed approximately one foot of aggregate in the bottom of the open excavation in Area 2. This allowed the displacement of approximately six inches of water left in the bottom of the excavation. No more groundwater pumping was necessary. The security fence surrounding the excavation was maintained and secured for the weekend.

Cynthia Doughty was on-site to oversee well abandonment.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/12/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers: Will Raines****DATE: 12/16/02****DAY Monday****WEATHER: Overcast****TEMPERATURE: 40 am 35 noon 30 pm****ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:Cynthia Doughty - Brown and Caldwell

_____**DESCRIPTION OF WORK:**

MT continued stockpiling stone along the riverbank. MT continued placing 3 feet of R-7 rip-rap over the geotextile and R-2 rip-rap previously placed. Geotextile and rip-rap has been placed over approximately one-third of the riverbank.

Cynthia Doughty was on-site to oversee well abandonment.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/16/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 12/17/02

DAY Tuesday

WEATHER: Sunny

TEMPERATURE: 30 am 35 noon 30 pm

ITEMS WORKED ON:


- | | |
|--|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input checked="" type="checkbox"/> Backfill |
| <input type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT placed structural fill in Excavation Area 2. The fill was placed and compacted in 1-foot lifts. The compaction was tested on-site, in-place using a nuclear density meter operated by Underwood Testing Laboratory. The first lift was compacted to 96% with 8.3% moisture. The optimum moisture content is 8.6%.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 12/17/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/18/02**DAY** Wednesday**WEATHER:** Sunny**TEMPERATURE:** 30 am 35 noon 30 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☐ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:Kimberly Peck - Exelon

_____**DESCRIPTION OF WORK:**

MT placed structural fill in Excavation Area 2. The fill was placed and compacted in 1-foot lifts. The compaction was tested on-site, in-place using a nuclear density meter operated by Underwood Testing Laboratory. On-site compaction testing results ranged from 95.2-96.2% with moisture contents ranging from 7.7-10.3%. Some structural fill still needs to be placed and compacted around a portion of the perimeter of the excavation area.

MT also continued stockpiling R-7 rip-rap for use along the riverbank.

Clean Ventures was on-site to remove two drums that were found along the riverbank during clearing operations.

Kimberly Peck stopped by the site to check on the progress.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/18/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 12/19/02

DAY Thursday

WEATHER: Overcast

TEMPERATURE: 30 am 45 noon 40 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:


VISITORS:

DESCRIPTION OF WORK:

MT moved the remaining soil and concrete from Areas 3 and 4 up to the remaining soil and concrete from Area 2. They also disassembled the plastic pipe that was used during the pumping of the water collected in Excavation Area 2. MT also continued the rip-rap and geotextile placement along the riverbank. They placed approximately 100 more feet of geotextile and rip-rap.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 12/19/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 12/30/02

DAY Monday

WEATHER: Sunny

TEMPERATURE: 40 am 50 noon 45 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

MT loaded railroad ties from Area 10 (substation) into roll-offs provided by Waste Management. MT also continued the rip-rap and geotextile placement along the riverbank. They placed approximately 100 more feet of geotextile and R-2 rip-rap.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 12/30/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 12/31/02**DAY** Tuesday**WEATHER:** Overcast**TEMPERATURE:** 45 am 50 noon 45 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:


VISITORS:

DESCRIPTION OF WORK:

MT loaded railroad ties from Area 11 (Cumbustion Turbine Area) into roll-offs provided by Waste Management. MT also continued the rip-rap placement along the riverbank. They placed R-7 rip-rap over the geotextile put in place on 12/30/02.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 12/31/02
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/02/03

DAY Thursday

WEATHER: Overcast

TEMPERATURE: 35 am 40 noon 35 pm

ITEMS WORKED ON:


- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

Waste Management removed one of the roll-offs containing railroad ties. MT continued the rip-rap and geotextile placement along the riverbank. They placed approximately 100 feet of geotextile and rip-rap.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 1/2/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/06/03

DAY Monday

WEATHER: Snow
(approximately 1"; 2" over the weekend)

TEMPERATURE: 30 am 35 noon 30 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☒ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

Waste Management removed the second (last) roll-off containing railroad ties.

MT continued the rip-rap and geotextile placement along the riverbank. The riverbank is approximately two-thirds complete. MT also broke up the concrete removed from Excavations 2, 3, and 4 to be mixed with the remaining soil marked for disposal.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/6/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/07/03

DAY Tuesday

WEATHER: Sunny

TEMPERATURE: 25 am 30 noon 25 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT continued the rip-rap and geotextile placement along the riverbank. The riverbank is approximately two-thirds complete. The geotextile was extended six feet toward the river to incorporate one area that looked like a potential seep approximately 30 feet west of the DELCORA outfall.

MT also continued breaking up the concrete removed from Excavations 2, 3, and 4 to be mixed with the remaining soil marked for disposal.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☒ Map/Drawing
☐ Other:

Will Raines 1/7/03
Signature of Preparer Date

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TER
RATING
ON

FENCE

APPROXIMATE LOCATION
OF TREATMENT FACILITY
(SEE FIGURE 3)

FORMER
PICCO FACILITY

EW-11

SEEP 1

EW-10

Area of
additional
riprap

CSO Outfall

EW-9

SEEP 2

EW-8

EW-7

EW-6

SEEP 3, AREA #

DELAWARE RIV

LEGEND

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/08/03

DAY Wednesday

WEATHER: Overcast

TEMPERATURE: 30 am 35 noon 30 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |


VISITORS:**DESCRIPTION OF WORK:**

MT continued the rip-rap and geotextile placement along the riverbank. Approximately 200 feet of riverbank is left to complete. The geotextile was extended approximately six feet toward the river over a length of 30 feet to cover a couple of the existing seeps along the riverbank.

MT had structural fill brought on site to finish backfilling the remainder of Excavation 2.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☐ Equipment/Personnel Checklist
☒ Map/Drawing
☐ Other:

 1/8/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/09/03

DAY Thursday

WEATHER: Overcast

TEMPERATURE: 30 am 35 noon 30 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Sampling | <input checked="" type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

DESCRIPTION OF WORK:

MT continued the rip-rap and geotextile placement along the riverbank. Approximately 150 feet of riverbank is left to complete.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/9/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/13/03

DAY Monday

WEATHER: Overcast

TEMPERATURE: 35 am 40 noon 35 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

DESCRIPTION OF WORK:

MT continued the rip-rap and geotextile placement along the riverbank. They have covered the entire bank with geotextile and R-2 rip-rap. All but approximately 100 feet of the bank is covered with R-7 rip-rap.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/13/03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/14/03

DAY Tuesday

WEATHER: Overcast

TEMPERATURE: 25 am 30 noon 25 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☒ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

MT continued the rip-rap and geotextile placement along the riverbank. All but approximately 80 feet of the bank is covered with R-7 rip-rap.

MT brought in three loads of structural fill to fill in a low spot in the backfilled Excavation Area 2.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/14/03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania**Observers:** Will Raines**DATE:** 01/15/03**DAY** Wednesday**WEATHER:** Overcast**TEMPERATURE:** 20 am 30 noon 25 pm**ITEMS WORKED ON:**

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation


- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:**DESCRIPTION OF WORK:**

MT continued the rip-rap and geotextile placement along the riverbank. During low tides MT continued placing R-7 rip-rap along the toe of the geotextile and R-2 rip-rap to help delineate the work area during high tide. They also removed a section of the fence along the riverbank in front of the treatment trailer. They have placed rip-rap over the area where this fence once stood.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 1/15/03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/16/03

DAY Thursday

WEATHER: Overcast

TEMPERATURE: 20 am 30 noon 25 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:**DESCRIPTION OF WORK:**

MT continued the rip-rap and geotextile placement along the riverbank. Another area was identified by BCC to be covered with rip-rap beyond the current extents of the rip-rap. MT has made access to this area and are awaiting low tide to complete this task. A sketch showing the location of this area will be included when the task is completed.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/16/03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/20/03

DAY Monday

WEATHER: Overcast

TEMPERATURE: 20 am 30 noon 20 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☒ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☒ Surveying
- ☐ Other:

VISITORS:

DESCRIPTION OF WORK:

MT continued the rip-rap and geotextile placement along the riverbank. Another area along the riverbank, identified by BCC on 1/16/03, was covered with geotextile and rip-rap stretching from 20 to 40 downstream of the outfall (see attached sketch).

The surveyors were on-site to shoot the final elevations of the backfilled Excavation Area 2.

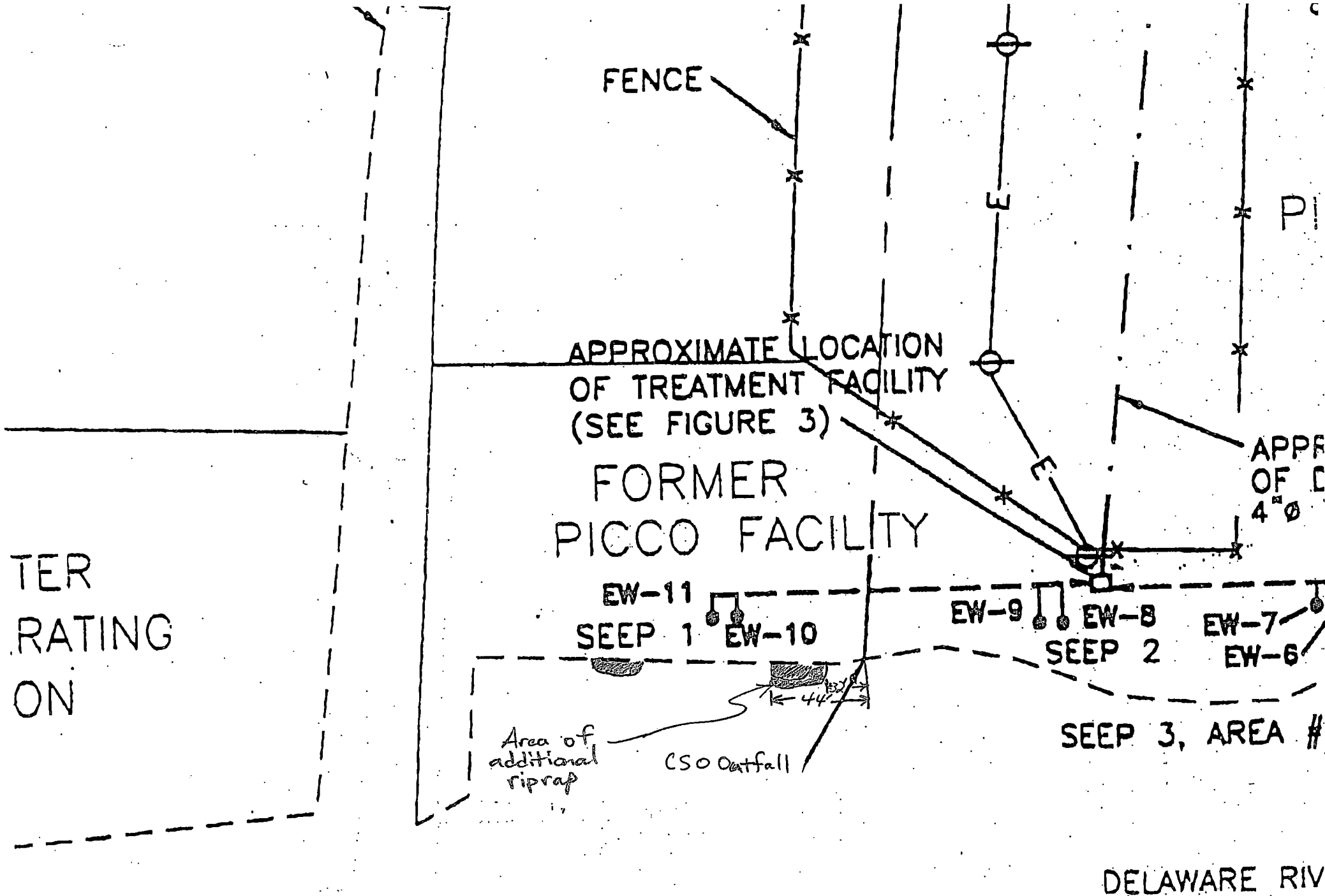
ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☒ Map/Drawing
- ☐ Other:

Will Raines 1/20/03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/21/03

DAY Tuesday

WEATHER: Sunny

TEMPERATURE: 15 am 25 noon 15 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:

DESCRIPTION OF WORK:

MT continued the rip-rap placement along the riverbank. R-7 stone has been placed over the entire riverbank; however, a few spots need some additional stone.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Rain
Signature of Preparer

1/21/03
Date

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/22/03

DAY Wednesday

WEATHER: Sunny

TEMPERATURE: 12 am 20 noon 15 pm

ITEMS WORKED ON:

- | | |
|---|--|
| <input type="checkbox"/> Sampling | <input type="checkbox"/> Geosynthetic Installation |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Excavation |
| <input checked="" type="checkbox"/> Disposal | <input type="checkbox"/> Backfill |
| <input checked="" type="checkbox"/> Rip-rap/Riverbank preparation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input type="checkbox"/> Other: |

VISITORS:


DESCRIPTION OF WORK:

MT continued the rip-rap placement along the riverbank. A few spots still need some additional stone.

MT loaded all remaining soil and crushed concrete from Excavation Area 2 into 19 trucks for off-site disposal at the Clean Earth of Philadelphia facility.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

 1/22/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL

DAILY FIELD REPORT

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, Pennsylvania

Observers: Will Raines

DATE: 01/23/03

DAY Thursday

WEATHER: Sunny

TEMPERATURE: 12 am 20 noon 15 pm

ITEMS WORKED ON:

- ☐ Sampling
- ☐ Demolition
- ☐ Disposal
- ☒ Rip-rap/Riverbank preparation
- ☐ Chain Link Fence Installation

- ☐ Geosynthetic Installation
- ☐ Excavation
- ☐ Backfill
- ☐ Surveying
- ☐ Other:

VISITORS:

Kimberly Peck, Bob Matty - Exelon

DESCRIPTION OF WORK:

MT continued the rip-rap placement along the riverbank. The work along the riverbank was completely finished.

Kim Peck and Bob Matty of Exelon took a final look at the areas of construction with the exception of Areas 10 and 11 (substation and CT area). They seemed pleased with the work and had no comments.

The current phases of this project are complete. The asbestos containing soil will be loaded for off-site disposal no earlier than 15 business days from now. The paving work will be completed in the Spring.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☐ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other:

Will Raines 1/23/03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project: Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How, Dale Showers

DATE: 9-15-03

DAY: Monday

WEATHER: Overcast and occasional showers

TEMPERATURE: 70 am 80 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

James Carlson, Joe Senior with PECO

Kim Scarborough with Exelon

DESCRIPTION OF WORK:

PECO technicians are at the substation area to go through PECO Health and Safety Briefing with Maxymillian employees and BC employees early in the morning around 07:30. The fire hydrant appears to be leaking inside the substation area, and a trench was observed adjacent to the fence within the substation area. Joe Senior indicated that the trench would be used to place ground wiring.

Joe Senior also indicated later in the day that the substation would not be de-energized this week due to loss of power supply in other areas in PA.

Occasional showers and thunderstorms throughout the day. Backhoe and dozer are delivered to the Site.

Metal electric pole was pushed to the north by Maxymillian to allow paving work area preparation.

Kim Scarborough gave BCC keyless clicker for access to the CT area mid afternoon.

Maxymillian indicates that survey points have been staked in the substation area.

Maxymillian leaves Site at 17:10.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-15-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-15-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Calvin

Equipment	No.	Operating Hours	Downtime
One Backhoe		< 1 hr	
One Dozer		< 1 hr	

J. How
Signature of Preparer

9-15-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA**Observers:** Jimmy How**DATE:** 9-16-03**DAY:** Tuesday**WEATHER:** Clear Sky**TEMPERATURE:** 75 am 85 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:Two PECO technicians (including Joe Senior)

_____**DESCRIPTION OF WORK:**

Maxymillian resumes staking survey points the remaining portion of the substation in early morning.

PECO installs ground wire along the fence on the southern and western end of the substation around mid-morning. One portion of the southern fence was observed to be damaged.

Maxymillian starts grading the slope on the western end of the substation. Water in the ground wire trench was pumped out and discharged to the storm water catch basin on paved road to the south by Maxymillian. Trench was then backfilled by Maxymillian.

The proposed final grade and the proposed top of subbase for the point west of the guy pole in the substation were changed from 11.03 ft and 10.74 ft to 10.87 ft and 10.58 ft, respectively. Maxymillian starts staking points in the turbine area in early afternoon.

Maxymillian starts scraping the subgrade along the western edge of the concrete driveway in the substation area in late afternoon. The subgrade was scraped approximately 6 inches below existing grade. A buried concrete pole and wires were observed. PECO indicates that the wires were not live and were not connected to the light poles to the south. The wires were cut by PECO and the buried pole was removed by Maxymillian.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-16-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 9-16-03

[illegible][illegible]

9-16-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-17-03

DAY: Wednesday

WEATHER: Clear Sky

TEMPERATURE: 75 am 80 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

Three PECO technicians (including Joe Senior)

DESCRIPTION OF WORK:

Maxymillian resumes staking points at the CT area (or Turbine) Area in early morning.

Subgrade preparation and grading are resumed on the western edge of the substation and the area between the substation and the concrete driveway. Trench that was previously excavated for removal of the railroad tracks is backfilled by Maxymillian with excess soil from the subgrade preparation.

PECO indicates that fire hydrant may be fixed the following week.

Maxymillian leaves Site at 17:30.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-17-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-17-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Calvin

Equipment	No.	Operating Hours	Downtime
Backhoe	1	Approx. 6 hrs	
Dozer	1	Approx. 6 hrs	
Front-end loader	1	Approx. 6 hrs	
Roller	1	Approx. 6 hrs	
Compactor	1	Approx. 6 hrs	

J. How

Signature of Preparer

9-17-03
Date

Form: CF 22684c.xls

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-18-03

DAY: Thursday

WEATHER: Overcast, windy am; windy and rain pm

TEMPERATURE: 65 am 65 noon 65 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

One PECO technician (Joe Senior)

DESCRIPTION OF WORK:

Maxymillian resumes grading and subgrade preparation in the area between the concrete driveway and the substation, and the western end of the substation.

It started to rain around 14:30.

Maxymillian leaves Site at 15:30.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-18-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-18-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Calvin

Equipment	No.	Operating Hours	Downtime
Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Front-end loader	1	Approx. 4 hrs	
Roller	1	Approx. 3 hrs	
Compactor	1	Approx. 3 hrs	

J. How
Signature of Preparer

9-18-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-22-03

DAY: Monday

WEATHER: Overcast

TEMPERATURE: 75 am 80 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

Two PECO technicians (including Frank Lamanna)

PECO's subcontractor (three technicians)

DESCRIPTION OF WORK:

Joe Senior called Maxymillian early in the morning indicating that he would not be at the substation, and that work shouldn't be resumed at the substation without PECO's supervision. Frank Lamanna later called a PECO technician who was at the substation to let Maxymillian in. Frank then stopped by and indicated to Maxymillian that work can be resumed. Herb Goldberg came in to replace Calvin Webb as Maxymillian equipment operator.

Around 11.00 am, PECO's subcontractor showed up at the substation with a crane to remove the transformers and the metal pole. The PECO technician at the substation reported the subcontractor's visit to someone at PECO's office who then instructed everyone to stop work and leave the substation area because of safety concerns. Frank later stopped by to briefly supervise PECO's subcontractor, and Maxymillian was allowed to resume work.

Elevations at the grout/metal interface were taken at three locations on the rectangular metal building immediately south of the larger square metal building in the CT area. The locations were at the NW and SW corners, and 9.5 ft from the NW corner on the north side. Elevations were 12.15 ft, 12.15 ft, and 12.12 ft, respectively.

Grading and subgrade preparation was resumed on the western end of the substation as well as on a portion of the area between the substation and the concrete driveway.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-22-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 9-22-03

[illegible][illegible]

9-22-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-23-03

DAY: Tuesday

WEATHER: Heavy rain am; Clear sky noon and pm

TEMPERATURE: 75 am 75 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO technician (Frank Lamanna)

Grinell (two technicians)

DESCRIPTION OF WORK:

Heavy rainfall in the morning.

Grading and subgrade preparation was resumed on the western end of the substation as well as the area between the substation and the concrete driveway during late morning when the rain stopped.

Grinell was at the substation to fix the fire hydrant. Frank Lamanna indicated that the water line between the north and south substation would be cut and capped by Grinell. A hole approximately 5 ft deep was excavated in an area between the north and south substation. The excavated area was barricaded before Grinell left the Site around early afternoon.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How
Signature of Preparer

9-23-03

Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-23-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	

J. How
Signature of Preparer

9-23-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-24-03

DAY: Wednesday

WEATHER: Clear sky

TEMPERATURE: 55 am 70 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO technician (Jimmy)

DESCRIPTION OF WORK:

The two counterweights next to the fire hydrant were removed from the substation by PECO. The counterweights were placed on a trailer which was parked in the parking lot in front of the Delaware building. Grinnell was also on the Site; however, no apparent activity regarding water line repair was observed.

Grading and subgrade preparation was resumed by Maximillian on the western end of the substation as well as the area between the substation and the concrete driveway.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How
Signature of Preparer

9-24-03

Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 9-24-03

[illegible][illegible]

9-24-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-25-03

DAY: Thursday

WEATHER: Clear sky

TEMPERATURE: 65 am 70 noon 70 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO technician (Joe Senior)

Grinnell

DESCRIPTION OF WORK:

Grading and subgrade preparation was resumed by Maximillian on the western and southwestern end of the substation area.

The counterweights that were on a trailer in the parking lot in front of the Delaware building are hauled off of the Site.

Grinnell is on the Site to resume repair on the fire hydrant water line. PECO indicated that the water line would be inspected by an engineer and the Fire Marshal next week. Water line is expected to be repaired next week.

Joe Senior indicated that the north section (33 bus) of the substation would be shut down on Sep. 29.

Maxymillian stops work around 16:30. Chet said that there was not enough soil for grading part of the southwestern portion of the substation area. Excess soil which is expected from grading activities on Sep 29 during partial substation shut down will be reportedly used to grade the southwestern portion of the substation area.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-25-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 9-25-03

[illegible][illegible]

9-25-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 9-29-03

DAY: Monday

WEATHER: Partly Cloudy

TEMPERATURE: 55 am 65 noon 65 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO technician (Joe Senior)

DESCRIPTION OF WORK:

PECO shuts down the northern section of the substation around 8.00 am. Joe Senior (PECO), BC and Maxymillian go through health and safety briefing.

A mini-excavator was delivered on site for grading inside the substation.

Grading and subgrade preparation is started inside the northern section of the substation by Maxymillian.

Bob Murrey with Exelon says that he will be at the Combustion Turbine (CT) area on Oct. 1 around 1.00 pm to try to locate the underground utilities in that area.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-29-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

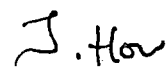
Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-29-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	5 - Chet, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Mini-Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 2 hrs	


Signature of Preparer9-29-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA**Observers:** Jimmy How**DATE:** 9-30-03**DAY:** Tuesday**WEATHER:** Partly Cloudy**TEMPERATURE:** 50 am 65 noon 65 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:PECO technician (Rick)

_____**DESCRIPTION OF WORK:**

Grading and subgrade preparation is resumed inside the northern section of the substation by Maxymillian.

Joe Senior is replaced by Rick (PECO technician) to supervise Maxymillian.

The schedule for work activities inside the substation was revised by Maxymillian and was submitted to BC.

Elevation shots are taken on the northern and southern side of the southwestern end of limits of paving at the CT area.

Maxymillian completes grading inside the northern section of the substation.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 9-30-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 9-30-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Mini-Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 2 hrs	

J. How
Signature of Preparer

9-30-03
Date

Form: CF 22684c.xls

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-01-03

DAY: Wednesday

WEATHER: Light rain (am), Partly cloudy (pm)

TEMPERATURE: 50 am 60 noon 60 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Bob Murray, Jack, Bill, Norm, Bob, Kim Scarborough, Bob Matty)

DESCRIPTION OF WORK:

Joe Senior indicated that the southern section of the substation will not be shut down today. He said the southern section will be shut down starting next Monday for three consecutive days.

Grading and subgrade preparation is resumed in safe areas around the southern section of the substation and around fire hydrant by Maxymillian. The fire hydrant is still not repaired.

Exelon (Bob Murray, Jack and Norm) identified approximate locations of buried utilities at the CT area around 1.00 pm for Maxymillian and BC.

Rings for raising manhole elevation are delivered to the substation. Joe Senior indicates that raising the two square manholes (one to the north and one to the east of the substation) that house the ground wire is not necessary. Final grade of asphalt would slightly exceed the square manholes current elevation. Joe said ponding or water flowing to the square manholes would not pose any problem.

Kim and Bob Matty are on site for a brief progress update around late afternoon.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-01-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-01-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Mini-Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 2 hrs	

J. How
Signature of Preparer

10-01-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-02-03

DAY: Thursday

WEATHER: Partly cloudy

TEMPERATURE: 45 am 55 noon 55 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm, Bernie)

Trinity Paving (Joe)

DESCRIPTION OF WORK:

Joe Senior indicated that the revised schedule regarding the anticipated paving dates was submitted to PECO early in the morning. The entire substation is currently energized.

Maxymillian moves to the CT area for grading and subgrade preparation. Subgrade preparation is started in front and along the edge of the metal buildings. Norm (with Exelon) is observing Maxymillian at the CT area for safety purposes.

Trinity Paving is on the Site for a brief site reconnaissance around 8.00 am. Chet and Trinity indicate that paving (including installing base course) in the southern section of the substation may take three (3) days instead of the proposed two (2) days in the revised schedule. Joe says he'll mention that to PECO.

Two ground wires were found detached during grading/scraping between the square and "rectangular" buildings in the CT area. Exelon/PECO tied the two ground wires temporarily.

Work is stopped around 5.00 pm and Maxymillian leaves site.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-02-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-02-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Backhoe	1	Approx. 2 hrs	
Mini-Backhoe	1	Approx. 2 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 2 hrs	

J. How
Signature of Preparer

10-02-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment**Location:** Chester, PA**Observers:** Jimmy How**DATE:** 10-06-03**DAY:** Monday**WEATHER:** Partly cloudy**TEMPERATURE:** 45 am 55 noon 55 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO (Joe Senior)

DESCRIPTION OF WORK:

The south section of the substation was shut down around 8.00 am by PECO. Maxymillian and BC went through health and safety briefing.

Maxymillian starts grading and subgrade preparation on the south section of the substation.

The fence around the resistor adjacent south to the substation is temporarily removed to provide access for grading and scraping inside the enclosure.

Soil was scraped up to 6" around the edges of the wooden footings of the resistor.

One light pole and the electrical conduit in front of the rectangular metal building at the CT area was removed by Exelon.

ATTACHMENTS:

- ☐ Description of Work (Continued)
- ☒ Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

J. How
Signature of Preparer

10-06-03

Date

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BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-06-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Mini-Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 2 hrs	
Bobcat	1	Approx. 2 hrs	

J. How
Signature of Preparer

10-06-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA**Observers:** Jimmy How**DATE:** 10-07-03**DAY:** Tuesday**WEATHER:** Partly cloudy**TEMPERATURE:** 50 am 65 noon 65 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Bernie Dwyer, Norm)

Grinnell

DESCRIPTION OF WORK:

Maxymillian resumes grading the south section of the substation.

Joe Senior indicates that the reels at the CT area would be tentatively removed on Wednesday Oct. 8.

Bernie Dwyer and Joe Senior are at the substation with Grinnell who indicated that parts have to be ordered and that the fire hydrant may be fixed by Friday Oct. 10.

The fence around the resistor adjacent south to the substation is raised by Maxymillian after grading inside the enclosure was completed.

Grinnell dug a hole next to the fire hydrant and water is now leaking from one of the hydrant outlets. Grinnell indicated that their water pump broke down and couldn't resume the hydrant repair for the day. Maxymillian installed a temporary dirt berm around the ponded areas to minimize water flowing to the surrounded areas.

Maxymillian raised one of the manholes with rings obtained from PECO under Joe Senior supervision. The manhole is located west of the concrete driveway and was raised by 7.5". Other manhole(s) would be reportedly raised the following day.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-07-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-07-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Mini-Backhoe	1	Approx. 4 hrs	
Dozer	1	Approx. 4 hrs	
Tamper	1	Approx. 2 hrs	
Wheel Loader	1	Approx. 4 hrs	
Bobcat	1	Approx. 4 hrs	

J. How
Signature of Preparer

10-07-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-08-03

DAY: Wednesday

WEATHER: Foggy (am), Clear sky (pm)

TEMPERATURE: 60 am 70 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm)

Grinnell

DESCRIPTION OF WORK:

Maxymillian finishes grading the south section of the substation. One manhole adjacent east to the substation is raised by Maxymillian by approximately 8.5".

Grinnell is on the site to resume the fire hydrant repair.

Joe Senior indicates that the reels and the miscellaneous items at the CT area would now be tentatively removed on Thursday Oct. 9.

Maxymillian resumes grading the CT area by late morning. The abandoned pedestal in front of the metal building was removed by Maxymillian, and was moved to the southeast corner of the CT area.

Maxymillian indicates that excavation along the edge of the concrete footers of the square metal buildings was limited to a depth of approximately 6".

Grout was placed at a few spots between the metal building and the concrete footing interface in front of the rectangular building.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-08-03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-08-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb

Equipment	No.	Operating Hours	Downtime
Bobcat	1	Approx. 1 hr	
Backhoe	1	Approx. 5 hrs	
Tamper	1	Approx. 1 hr	
Wheel Loader	1	Approx. 5 hrs	

J. Hlew
Signature of Preparer

10-08-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA**Observers:** Jimmy How**DATE:** 10-09-03**DAY:** Thursday**WEATHER:** Foggy (am), Partly cloudy (pm)**TEMPERATURE:** 50 am 70 noon 80 pm**ITEMS WORKED ON:**

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm, Jack and Bob Murray)

Trinity (Joe)

DESCRIPTION OF WORK:

Maxymillian resumes grading the areas around the buildings in the CT area. Bob Murray indicates that the manhole located furthest north on the northwestern end of the CT area should be raised. Other manholes (excluding the fiberglass box) within the limits of paving can be abandoned, as reported.

Exelon and Preferred held a meeting around 9.15 am regarding moving the electronic gate and the fire water line.

Joe Senior and other PECO technicians removed the miscellaneous items that were stored on the northern end of the CT area around mid afternoon. The cable reels are still inside the CT area and reportedly would be removed the following day. Grassy areas along the northwestern edge of the CT area are grubbed by Maxymillian.

Trinity is at the CT area for site reconnaissance. Joe with Trinity indicated that if the substation is not shut down on the week of Oct. 20 for asphalt installation, Trinity can pave inside the substation during the week of Oct. 13 with 4" base course and 3.5" wearing course (instead of the 1.5" binding layer and 2" wearing layer) as an option.

Maxymillian completes grading the areas around the buildings by late afternoon.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-09-03
Signature of Preparer Date

Page 1

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**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-09-03

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10-09-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 1

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA**Observers:** Jimmy How**DATE:** 10-10-03**DAY:** Friday**WEATHER:** Foggy (am), Partly cloudy (pm)**TEMPERATURE:** 60 am 75 noon 75 pm**ITEMS WORKED ON:**

- | | |
|---|--|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: |

VISITORS:

PECO/Exelon (Joe Senior)

Grinnell (PECO subcontractor)

DESCRIPTION OF WORK:

Maxymillian is not on the Site to perform work for the day.

Grinnell is at the substation to resume repair of the fire hydrant. Joe said that the water line would be capped at two locations: at the fire hydrant, and upstream of the hydrant (i.e., north of and outside the limits of the paving areas).

The cable reels on the western edge of the CT Area were removed by PECO.

The area around the fire hydrant was excavated to a depth of approximately 5 to 6 feet. Water was removed using the backhoe. The fire hydrant and miscellaneous appurtenances were removed by Grinnell. The water line at the fire hydrant was reportedly capped, and the excavated area was initially backfilled with a layer (reportedly 1 foot deep) of limestone-like stones (3 to 4 inch in size) obtained from a pile adjacent to the parking lot in front (East) of the Delaware building. The subsequent layers were filled with the gravel/sandy material that was excavated from the substation by Maxymillian during grading activities. The layers were tamped with the back of the bucket as the material was backfilled.

ATTACHMENTS:

- ☐ Description of Work (Continued)
Equipment/Personnel Checklist
- ☐ Map/Drawing
- ☐ Other _____

J. How 10-10-03
Signature of Preparer Date

Page 1

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BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-13-03

DAY: Monday

WEATHER: Partly Cloudy

TEMPERATURE: 65 am 80 noon 80 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm)

Grinnell (PECO subcontractor)

DESCRIPTION OF WORK:

Trinity (8-crew workers) is at the substation to start paving activities.

Grinnell backfills the hole after capping the line upstream (north) of the substation and outside the limits of paving.

Maxymillian excavates an area (approx. 25 ft x 8 ft x 3.5 ft) around the former fire hydrant location. The excavated area is rectangular and extends to the south fence. Maxymillian says that the material that was backfilled after the hydrant repair is still soft. The excavated area was then backfilled and compacted at each lift with gravel/sandy-like material generated during previous grading activities. The soft excavated material was then placed in the spoil area next to the concrete driveway.

Trinity installs base course and binding course inside the north section of the substation. The area between the substation and the concrete driveway as well as the sidewalk to the substation are also covered with base course material.

Maxymillian resumes grading the western end of the CT Area around late morning.

Norm (with Exelon) indicates that a pre-fab ring for raising the manhole at the CT Area will be ordered.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-13-03
Signature of Preparer Date

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**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-13-03

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10-13-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-14-03

DAY: Tuesday

WEATHER: Partly Cloudy, overcast (pm)

TEMPERATURE: 60 am 70 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm)

DESCRIPTION OF WORK:

PECO shuts down the northern section of the substation in the morning. Trinity (7-crew workers) is at the substation to resume paving activities.

Trinity installs wearing course inside the north section of the substation. Base course is installed in the substation area except on the western edge. Base course is also installed in the southern section of the substation (which was energized) under Joe Senior supervision.

Maxymillian resumes grading the western end of the CT area.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-14-03
Signature of Preparer Date

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BROWN AND CALDWELL**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

Project : Exelon - Chester Waterfront Redevelopment

DATE: 10-14-03

Location: Chester, Pennsylvania

Contractors and Subcontractors	Number and Title of Personnel
Maxymillian	6 - Chet, Brian, Yvonne, Reginald, Cliff, Herb
Trinity (Maxymillian subcontractor)	7 - crew workers

Equipment	No.	Operating Hours	Downtime
Dozer	2	Approx. 4 hrs	
Backhoe	1	Approx. 4 hrs	
Tamper	2	Approx. 2 hrs	
Roller	2	Approx. 4 hrs	
Wheel Loader	1	Approx. 4 hrs	

J. How
Signature of Preparer

10-14-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project: Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-15-03

DAY: Wednesday

WEATHER: Overcast (am), windy partly cloudy (pm)

TEMPERATURE: 55 am 65 noon 75 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Joe Senior, Norm)

DESCRIPTION OF WORK:

PECO indicates that the southern section of the substation would not be shut down for the day due to the rain last night.

No visible puddles were observed on the asphalt pavement inside the north section of the substation after last night rain.

Maxymillian resumes grading the western end of the CT area.

Exelon raised the manhole by approximately 15.5" on the northwest end at the CT area. Several rings were stacked and welded by Exelon.

Spoils from excavation are removed from the CT area and substation for off-site disposal.

Trinity completes base course installation at the substation around mid-afternoon. Some spots remain to be compacted.

Joe Senior says that Frank indicated that the substation will not be shut down till the last week of October.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-15-03
Signature of Preparer Date

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**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-15-03

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10-15-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-16-03

DAY: Thursday

WEATHER: Partly cloudy

TEMPERATURE: 50 am 65 noon 70 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Norm)

DESCRIPTION OF WORK:

Maxymillian scraped soil below the electronic gate at the CT Area (approx. 5 ft wide and 6" deep). Chet indicates that this would minimize the sliding gate bottom crossbar from scraping the ground after the asphalt is installed. The scraped soil was taken to an area adjacent to the southwest corner of the limits of paving and was subsequently graded on the existing soil.

Trinity resumes base course compaction on the western edge of the substation. Base course is also installed in the CT Area around the buildings and on the western edge between the fence and the existing pavement. Some spots remain to be filled and compacted.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-16-03
Signature of Preparer Date

Page 1

Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-16-03

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10-16-03
Date

BROWN AND CALDWELL**DAILY FIELD REPORT**

Page 1 of 2

Project : Exelon - Chester Waterfront Redevelopment
Location: Chester, PA

Observers: Jimmy How

DATE: 10-20-03

DAY: Monday

WEATHER: Partly cloudy

TEMPERATURE: 45 am 60 noon 65 pm

ITEMS WORKED ON:

- | | |
|---|---|
| <input type="checkbox"/> Geoprobe Sampling | <input type="checkbox"/> Equipment Installation |
| <input type="checkbox"/> Well/Monitoring Probe Installation | <input type="checkbox"/> Trenching/Concrete Work |
| <input type="checkbox"/> Piping Installation | <input type="checkbox"/> Electrical / Controls |
| <input type="checkbox"/> Overhead Door Installation | <input type="checkbox"/> Surveying |
| <input type="checkbox"/> Chain Link Fence Installation | <input checked="" type="checkbox"/> Other: Paving |

VISITORS:

PECO/Exelon (Norm)

DESCRIPTION OF WORK:

Trinity resumes base course installation at the CT area under Maxymillian supervision. Base course installation was completed by mid afternoon.

Preferred subcontractor dug a trench in front of the substation gate entrance. The subcontractor indicated that a concrete berm would be installed. The back electronic gate was unlocked by Norm for access to the substation.

Trinity went to the substation area in late afternoon to do some final rolling and compacting before tentative asphalt installation set for tomorrow.

ATTACHMENTS:

- ☐ Description of Work (Continued)
☒ Equipment/Personnel Checklist
☐ Map/Drawing
☐ Other _____

J. How 10-20-03
Signature of Preparer Date

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Form: CF 22684a.xls

**DAILY FIELD REPORT - EQUIPMENT AND
PERSONNEL CHECKLIST**
Page 2 of 2

DATE: 10-20-03

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10-20-03
Date